



UNITED STATES DEPARTMENT OF COMMERCE
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**NOTICE OF FILING/CLAIM FEE(S) DUE
TO ENSURE PROPER CREDIT OF FEES, PLEASE RETURN A COPY OF THE
FEE CALCULATION SHEET WITH YOUR RESPONSE.**

APPLICATION NUMBER: 09/107371

Total Fee Calculation

Fee Code	Total # Claims	Number Extra	X	Fee	Fee =	Tax
	Sm/Lg			Sm Entity	Lg Entity	
Basic Filing Fee	<u>201/101</u>					<u>796</u>
Total Claims >20	<u>203/103</u>	<u>7</u>	-20 =	X		
Independent Claims >3	<u>202/102</u>	<u>2</u>	-3 =	X		
Mult. Dep. Claim Present	<u>204/104</u>					
Surcharge	<u>205/105</u>					
English Translation	<u>139</u>					

TOTAL FEE CALCULATION

796

Fees due upon filing the application:

Total Filing Fees Due = \$ 790 Deposit account has insufficient funds

Less Filing Fees Submitted - \$ 395

BALANCE DUE = \$ 395

SMC
Office of Initial Patent Examination

PATENT APPLICATION FEE DETERMINATION RECORD

Effective October 1, 1997

Application or Docket Number

09/107371

CLAIMS AS FILED - PART I

(Column 1)	(Column 2)	
FOR	NUMBER FILED	NUMBER EXTRA
BASIC FEE		
TOTAL CLAIMS	1	minus 20 = * —
INDEPENDENT CLAIMS	2	minus 3 = * —
MULTIPLE DEPENDENT CLAIM PRESENT		

* If the difference in column 1 is less than zero, enter "0" in column 2

SMALL ENTITY
TYPE OR
OTHER THAN
SMALL ENTITY

RATE	FEES	RATE	FEES
	385.00		
x\$11=			
x41=			
+135=			
TOTAL	345	TOTAL	

CLAIMS AS AMENDED - PART II

(Column 1)	(Column 2)	(Column 3)
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR
Total	*	Minus ** =
Independent	*	Minus *** =
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM		

SMALL ENTITY

OR
OTHER THAN
SMALL ENTITY

RATE	ADDI- TIONAL FEE	RATE	ADDI- TIONAL FEE
x\$11=		x\$22=	
x41=		x82=	
+135=		+270=	
TOTAL ADDIT. FEE		TOTAL ADDIT. FEE	

(Column 1)	(Column 2)	(Column 3)
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR
Total	*	Minus ** =
Independent	*	Minus *** =
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM		

RATE
ADDI-
TIONAL
FEERATE
ADDI-
TIONAL
FEE

x\$11=

x\$22=

x41=

x82=

+135=

+270=

TOTAL ADDIT. FEE

TOTAL ADDIT. FEE

(Column 1)	(Column 2)	(Column 3)
AMENDMENT C	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR
Total	*	Minus ** =
Independent	*	Minus *** =
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM		

RATE
ADDI-
TIONAL
FEERATE
ADDI-
TIONAL
FEE

x\$11=

x\$22=

x41=

x82=

+135=

+270=

TOTAL ADDIT. FEE

TOTAL ADDIT. FEE

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
 ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20."
 *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3."
 The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

PATENT APPLICATION FEE DETERMINATION RECORD

Effective October 1, 2001

Application or Docket Number

09/107371

CLAIMS AS FILED - PART I

(Column 1) (Column 2)

TOTAL CLAIMS		
FOR	NUMBER FILED	NUMBER EXTRA
TOTAL CHARGEABLE CLAIMS	minus 20 = *	/
INDEPENDENT CLAIMS	minus 3 = *	/
MULTIPLE DEPENDENT CLAIM PRESENT		<input type="checkbox"/>

* If the difference in column 1 is less than zero, enter "0" in column 2

SMALL ENTITY
TYPE

OTHER THAN
OR SMALL ENTITY

RATE	Fee
BASIC FEE	370.00
X\$ 9=	
X42=	
+140=	
TOTAL	370.00

RATE	Fee
BASIC FEE	740.00
X\$18=	
X84=	
+280=	
TOTAL	

CLAIMS AS AMENDED - PART II

(Column 1) (Column 2) (Column 3)

AMENDMENT A		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
		Minus	**	=	
Total	*	Minus	**	=	
Independent	*	Minus	***	=	
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM	<input type="checkbox"/>				

SMALL ENTITY OR OTHER THAN
OR SMALL ENTITY

RATE	ADDI- TIONAL FEE
X\$ 9=	
X42=	
+140=	
TOTAL ADDIT. FEE	

RATE	ADDI- TIONAL FEE
X\$18=	
X84=	
+280=	
TOTAL ADDIT. FEE	

(Column 1)

(Column 2) (Column 3)

AMENDMENT B		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
		Minus	**	=	
Total	*	Minus	**	=	
Independent	*	Minus	***	=	
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM	<input type="checkbox"/>				

RATE	ADDI- TIONAL FEE
X\$ 9=	
X42=	
+140=	
TOTAL ADDIT. FEE	

RATE	ADDI- TIONAL FEE
X\$18=	
X84=	
+280=	
TOTAL ADDIT. FEE	

(Column 1)

(Column 2) (Column 3)

AMENDMENT C		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
		Minus	**	=	
Total	*	Minus	**	=	
Independent	*	Minus	***	=	
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM	<input type="checkbox"/>				

RATE	ADDI- TIONAL FEE
X\$ 9=	
X42=	
+140=	
TOTAL ADDIT. FEE	

RATE	ADDI- TIONAL FEE
X\$18=	
X84=	
+280=	
TOTAL ADDIT. FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20."

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3."

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

PATENT APPLICATION FEE DETERMINATION RECORD
Effective October 1, 2000

Application or Docket Number

09/107371

CLAIMS AS FILED - PART I

		(Column 1)	(Column 2)
TOTAL CLAIMS			
FOR	NUMBER FILED	NUMBER EXTRA	
TOTAL CHARGEABLE CLAIMS	7 minus 20=	—	
INDEPENDENT CLAIMS	2 minus 3 =	—	
MULTIPLE DEPENDENT CLAIM PRESENT		<input type="checkbox"/>	

SMALL ENTITY
TYPE

OTHER THAN
SMALL ENTITY
OR

RATE	FEES
BASIC FEE	<i>35</i>
XS 9=	
X40=	
+135=	
TOTAL	<i>35</i>

RATE	FEES
BASIC FEE	
XS18=	
X80=	
+270=	
TOTAL	

* If the difference in column 1 is less than zero, enter "0" in column 2

CLAIMS AS AMENDED - PART II

AMENDMENT A			(Column 1)	(Column 2)	(Column 3)
	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	
Total	•	Minus	..	=	
Independent	•	Minus	...	=	
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM			<input type="checkbox"/>		

SMALL ENTITY

OTHER THAN
SMALL ENTITY
OR

RATE	ADDI- TIONAL FEE
X\$ 9=	
X40=	
+135=	
TOTAL ADDIT. FEE	

RATE	ADDI- TIONAL FEE
X\$18=	
X80=	
+270=	
TOTAL ADDIT. FEE	

AMENDMENT B			(Column 1)	(Column 2)	(Column 3)
	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	
Total	•	Minus	..	=	
Independent	•	Minus	...	=	
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM			<input type="checkbox"/>		

RATE	ADDI- TIONAL FEE
X\$ 9=	
X40=	
+135=	
TOTAL ADDIT. FEE	

RATE	ADDI- TIONAL FEE
X\$18=	
X80=	
+270=	
TOTAL ADDIT. FEE	

AMENDMENT C			(Column 1)	(Column 2)	(Column 3)
	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	
Total	•	Minus	..	=	
Independent	•	Minus	...	=	
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM			<input type="checkbox"/>		

RATE	ADDI- TIONAL FEE
X\$ 9=	
X40=	
+135=	
TOTAL ADDIT. FEE	

RATE	ADDI- TIONAL FEE
X\$18=	
X80=	
+270=	
TOTAL ADDIT. FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20."

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3."

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

BEST AVAILABLE COPY

PATENT APPLICATION FEE DETERMINATION RECORD

Effective October 1, 1997

Application or Docket Number

09107371

CLAIMS AS FILED - PART I

(Column 1)

(Column 2)

SMALL ENTITY
TYPE

OTHER THAN
SMALL ENTITY

FOR	NUMBER FILED	NUMBER EXTRA
BASIC FEE		
TOTAL CLAIMS	minus 20 =	*
INDEPENDENT CLAIMS	minus 3 =	*
MULTIPLE DEPENDENT CLAIM PRESENT		

* If the difference in column 1 is less than zero, enter "0" in column 2

RATE	FEES
	395.00
x\$11=	
x41=	
+135=	
TOTAL	395

OR	RATE	FEES
	790.00	
x\$22=		
x82=		
+270=		
TOTAL	790	790

CLAIMS AS AMENDED - PART II

(Column 1)

(Column 2)

(Column 3)

SMALL ENTITY

OTHER THAN
SMALL ENTITY

AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	
	Total	*	Minus	**	=
Independent	*	Minus	***	=	
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM					

RATE	ADDI- TIONAL FEE
x\$11=	
x41=	
+135=	
TOTAL ADDITIONAL FEE	

OR	RATE	ADDI- TIONAL FEE
x\$22=		
x82=		
+270=		
TOTAL ADDITIONAL FEE		

AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	
	Total	*	Minus	**	=
Independent	*	Minus	***	=	
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM					

RATE	ADDI- TIONAL FEE
x\$11=	
x41=	
+135=	
TOTAL ADDITIONAL FEE	

OR	RATE	ADDI- TIONAL FEE
x\$22=		
x82=		
+270=		
TOTAL ADDITIONAL FEE		

AMENDMENT C	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	
	Total	*	Minus	**	=
Independent	*	Minus	***	=	
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM					

RATE	ADDI- TIONAL FEE
x\$11=	
x41=	
+135=	
TOTAL ADDITIONAL FEE	

OR	RATE	ADDI- TIONAL FEE
x\$22=		
x82=		
+270=		
TOTAL ADDITIONAL FEE		

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
 ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
 *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".
 The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

PATENT APPLICATION FEE DETERMINATION RECORD

Effective October 1, 2001

Application or Docket Number

09/107371

CLAIMS AS FILED - PART I

(Column 1) (Column 2)

TOTAL CLAIMS		<input type="checkbox"/>
FOR	NUMBER FILED	NUMBER EXTRA
TOTAL CHARGEABLE CLAIMS	11 minus 20 =	*
INDEPENDENT CLAIMS	2 minus 3 =	*
MULTIPLE DEPENDENT CLAIM PRESENT		<input type="checkbox"/>

* If the difference in column 1 is less than zero, enter "0" in column 2

SMALL ENTITY
TYPE

RATE	FEES
BASIC FEE	370.00
X\$ 9=	
X42=	
+140=	
TOTAL	370.00

OTHER THAN
OR SMALL ENTITY

RATE	FEES
BASIC FEE	740.00
X\$18=	
X84=	
+280=	
OR TOTAL	

CLAIMS AS AMENDED - PART II

(Column 1) (Column 2) (Column 3)

AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
	Total	Minus	**	=
Independent	*	Minus	***	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM			<input type="checkbox"/>	

SMALL ENTITY OR OTHER THAN
OR SMALL ENTITY

RATE	ADDITIONAL FEE	RATE	ADDITIONAL FEE
X\$ 9=		X\$18=	
X42=		X84=	
+140=		+280=	
TOTAL ADDIT. FEE		TOTAL ADDIT. FEE	

(Column 1) (Column 2) (Column 3)

AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
	Total	Minus	**	=
Independent	*	Minus	***	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM			<input type="checkbox"/>	

RATE	ADDITIONAL FEE	RATE	ADDITIONAL FEE
X\$ 9=		X\$18=	
X42=		X84=	
+140=		+280=	
TOTAL ADDIT. FEE		TOTAL ADDIT. FEE	

(Column 1) (Column 2) (Column 3)

AMENDMENT C	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
	Total	Minus	**	=
Independent	*	Minus**	***	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM			<input type="checkbox"/>	

RATE	ADDITIONAL FEE	RATE	ADDITIONAL FEE
X\$ 9=		X\$18=	
X42=		X84=	
+140=		+280=	
TOTAL ADDIT. FEE		TOTAL ADDIT. FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20."

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3."

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.